

MSU Soil Fertility Research Program

DEVELOPING NITROGEN RATE AND TIMING STRATEGIES TO IMPROVE SOFT RED WINTER WHEAT PRODUCTION, 2012-13.

Trial ID: WHT01-12.13
 Protocol ID: WHT01-12.13
 Project ID:

Location: INGHAM CO, DIETZ FARM Trial Year: 2013
 Investigator: Kurt Steinke
 Study Director: Andy Chomas
 Sponsor Contact: Dr. Kurt Steinke

Crop Code		TRZAW	TRZAW	TRZAW	TRZAW	TRZAW		
Crop Name		Winter wheat	Winter wheat	Winter wheat	Winter wheat	Winter wheat		
Crop Variety		Red Ruby	Red Ruby	Red Ruby	Red Ruby	Red Ruby		
Description				whole plant sa>	whole plant sa>	whole plant sa>		
Rating Date		Jul-18-2013	Jul-18-2013	Apr-26-2013	Apr-26-2013	Apr-26-2013		
Rating Type		YIELD	YIELD	N_percent	P_percent	K_percent		
Rating Unit		pounds	BU					
Crop Stage Scale								
Trt No.	Treatment Name	Rate	Unit	19	20	21	22	23
	3 Urea 46-0-0	90 lb ai/a		6.858 a	82.9 a	4.2258 a	0.3058 a	3.5148 a
	Urea 46-0-0	16 lb ai/a						
	15 Super U	90 lb ai/a		7.918 a	96.2 a	4.2828 a	0.3525 a	3.7528 a
	Urea 46-0-0	16 lb ai/a						
	16 Urea + Agrotain	90 lb ai/a		7.218 a	87.3 a	3.7313 a	0.3858 a	3.4658 a
	Agrotain dry	3 lb/ton						
	Urea 46-0-0	16 lb ai/a						
	LSD (P=.05)	1.3462	16.47	0.55522	0.13572	0.40971		
	Standard Deviation	0.6858	8.39	0.32088	0.07844	0.23679		
	CV	9.36	9.45	7.86	22.54	6.62		
	Bartlett's X2	13.755	13.203	0.703	2.588	1.527		
	P(Bartlett's X2)	0.001*	0.001*	0.704	0.274	0.466		